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Claims

Multilayered plane or tubular food package casing or film for foodstuff packages, such as sausage casings or the like, characterized by the following lamination structure with at least six, preferably at least seven layers, in order from outside to inside:

a)

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- the first layer layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the second layer, in order from outside to inside, comprising EVOH as a layer constituent;
- the third layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;
- the fourth layer, in order from outside to inside, comprising a polyolefin
 as a layer constituent, preferably polyethylene;
 - the fifth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent; and
 - the sixth layer, in order from outside to inside, comprising polyamide as a layer constituent;

or b)

- the first layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the second layer, in order from outside to inside, comprising EVOH as a layer constituent;
- the third layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the fourth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;

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- the fifth layer, in order from outside to inside, comprising a polyolefin as
 a layer constituent, preferably polyethylene;
- the sixth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent; and
- the seventh layer, in order from outside to inside, comprising polyamide
 as a layer constituent;

or c)

- the first layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the second layer, in order from outside to inside, comprising an adhesion
 agent as a layer constituent;
 - the third layer, in order from outside to inside, comprising polyamide as a layer constituent;
 - the fourth layer, in order from outside to inside, comprising EVOH as a layer constituent;
 - the fifth layer, in order from outside to inside, comprising polyamide as a layer constituent;
 - the sixth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent; and
- the seventh layer, in order from outside to inside, comprising a polyolefin
 as a layer constituent, preferably polyethylene.
 - 2. Multilayered planar or tubular food package casing or film for foodstuff packages, such as shrink bags or the like, characterized by the following lamination structure having, in order from outside to inside, at least seven layers:

a)

 the first layer, in order from outside to inside, comprising polyolefin as a layer constituent, preferably polyethylene; 10

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- the second layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;
- the third layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the fourth layer, in order from outside to inside, comprising EVOH as a
 layer constituent;
 - the fifth layer, in order from outside to inside, comprising polyamide as a layer constituent;
 - the sixth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent; and
 - the seventh layer, in order from outside to inside, comprising polyolefin as a layer constituent, preferably polyethylene;

or p)

- the first layer, in order from outside to inside, comprising PET as a layer constituent;
- the second layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;
- the third layer, in order from outside to inside, comprising polyamide as a layer constituent;
- the fourth layer, in order from outside to inside, comprising EVOH as a
 layer constituent;
 - the fifth layer, in order from outside to inside, comprising polyamide as a layer constituent;
 - the sixth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent; and
 - the seventh layer, in order from outside to inside, comprising polyolefin as a layer constituent, preferably polyethylene;

or c)

- the first layer, in order from outside to inside, comprising polyolefin as a layer constituent, preferably polyethylene;

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- the second layer, in order from outside to inside, comprising EVA as a layer constituent;
- the third layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;
- the fourth layer, in order from outside to inside, comprising EVOH as a 5 layer constituent:
 - the fifth layer, in order from outside to inside, comprising an adhesion agent as a layer constituent;
 - the sixth layer, in order from outside to inside, comprising EVA as a layer constituent; and
 - the seventh layer, in order from outside to inside, comprising a polyolefin as a layer constituent, preferably polyethylene.
- Food package casing or film for foodstuff packages according to claim 1 or 3. 2, characterized by the fact that said layers comprising a polyolefin, 15 preferably polypropylene, as a layer constituent, alternatively comprise, among others, additional polyolefins, polypropylene, EVA (ethyl vinyl alcohol) EM(M)A, ionomers and mixtures thereof.
- 20 4. Food package casing or film for foodstuff packages according to one of claims 1 to 3, characterized by the fact that said layers comprising an adhesion agent comprise an adhesion agent on the basis of PE, EVA, EM(M)A or a ionomer as basic component.
- Food package casing or film for foodstuff packages according to one of 25 5. claims 1 to 4, characterized by the fact that said layers comprising an adhesion agent as a layer constituent alternatively comprise a mixture of polyolefin and adhesion agent or a mixture of EVA and/or EM(M)A and adhesion agent.

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- 6. Food package casing or film for foodstuff packages according to one of claims 1 to 5, characterized by the fact that said layers having EVOH as a layer constituent alternatively comprise MXD6 (modified polyamide 6).
- Food package casing or film for foodstuff packages according to one of claims 1 to 6, characterized by the fact that said layers having polyamide as a layer constituent alternatively comprise a ionomer.
- 8. Food package casing or film for foodstuff packages according to one of claims 1 to 7, characterized by the fact that said said layers having polyamide as a layer constituent alternatively comprise MXD6.
- 9. Food package casing or film for foodstuff packages according to one of claims 1 to 8, characterized by the fact that said layers comprising polyamide as a layer constituent, comprise, among others, polycaprolactam (PA 6), polyhexamethylene adipamide (PA 66), PA 6/66, PA 11, PA 12 or mixtures of these polyamides.